NCER Funded Science to Achieve Results (STAR) Research Projects:

Region 1 - Massachusetts Institute of Technology



NATIONAL CENTER FOR ENVIRONMENTAL RESEARCH

Office of Research and Development
U.S. Environmental Protection Agency

Tabular Query Results of NCER Program and Solicitation Information

26 Abstracts are listed

Number	Identifier	Abstract	Institution	Principal Investigator	Grant Representative	Grant Amount	Proposed Start Date	Highlighted Result?
1	R824794	Remote Sensing of NO and NO2 Emissions from Heavy-Duty Diesel Trucks Using Tunable Diode Lasers	Massachusetts Institute of Technology (MIT), Aerodyne Research, Inc.	GREGORY J. MCRAE, Department of Chemical Engineering, Massachusetts Institute of Technology (MIT); JOSE L. JIMENEZ, Department of Mechanical Engineering, MIT; DAVID D. NELSON, MARK S. ZAHNISER, & CHARLES E. KOLB, Aerodyne Research, Inc.	Deran Pashayan	\$388,284	10/1/95 - 9/30/98	Highlighted
2	none	Chemical Kinetic Modeling of Formation of Products of Incomplete Combustion from Spark-ignition Engines		Simone Hochgreb	none	\$158,541.00	06/30/98 ending date	Highlighted
3	R825224	Design and Synthesis of Dendrimer Block Copolymers as Nanoporous Membranes for Environmental Separation Applications	Massachusetts Institute of Technology	Paula T. Hammond	Clyde Bishop	\$472,548	November 1, 1996 - September 30, 2001	Highlighted
4	R828192	Characterization and Minimization of Fine Particulate Emissions from Waste Incinerators by Real-Time Monitoring of Size-Resolved Mass and Chemical Composition	Massachusetts Institute of Technology	Professor Kenneth A. Smith and Dr. Douglas R. Worsnop	Thomas Veirs	\$335,000	June 2000 û May 2003	Highlighted
5	none	Experimental Studies and Numerical Modeling of Turbulent Combustion During Thermal Treatment	Massachusetts Institute of Technology	: Adel F. Sarofim , Kenneth A. Smith, John P. Longwell and Carlo Procaccini	none	none	none	Highlighted

1 of 4

		of Hazardous Wastes: Applied Research for the Generation of Design and Diagnostic Tools						
6	GF-95-01227	Development of a Real Time Remote Sensing Network to Monitor Small Fluctuations in Urban Air Quality	Massachusetts Institute of Technology	Gary Adamkiewicz	Virginia Broadway	\$34,000	6/95	Highlighted
7	none	Markers for Emissions from Combustion Sources	Massachusetts Institute of Technology	Adel F. Sarofim, J. B. VanderSande	none	\$225,789.12	06/30/97 ending date	Highlighted
8	U915187	International Environmental Law and Diplomacy	Massachusetts Institute of Technology and Yale Law School	Eric Sievers	none	none	none	Highlighted
9	U915033	Improving Selectivity In Metal Binding Polymers: Targeting Cesium	Massachusetts Institute of Technology	Alice Man	none	none	none	Highlighted
10	none	Investigation into the Effectiveness of DNAPL Remediation Strategies in Fractured Media	Massachusetts Institute of Technology	Patricia J. Culligan-Hensley, John T. Germaine	none	none	none	Highlighted
11	none	Characterization of Subsurface NAPL Distributions at Heterogeneous Field Sites	Massachusetts Institute of Technology	Dennis McLaughlin and Prof. Dale Morgan	none	none	none	Highlighted
12	U914963	Does Iron Limit the Cell Division Rate of the Marine Cyanobacteria Prochlorococcus in the Equatorial Pacific?	Woods Hole Oceanographic and the Massachusetts Institute of Technology	Elizabeth Mann	none	none	none	Highlighted
13	U915409	Be(com)ing Green: How Does Organizational Structure and Behavior Shape Corporate Environmental Management?	Massachusetts Institute of Technology	Jennifer Howard	none	none	none	Highlighted
14	R828172	Eddy-Correlation Measurement of Size-Segregated and Composition-Resolved Aerosol Depositional Flux Using an Aerosol Mass Spectrometer	Massachusetts Institute of Technology	Kenneth A. Smith	Paul Shapiro	\$225,000	July 24, 2000 - July 23, 2002	Highlighted
15	R825391	Real-Time Analysis of PAH Bound to Size-Resolved Atmospheric Particles by Tandem Time of Flight Mass Spectrometers	Massachusetts Institute of Technology	Kenneth Smith	Bill Stelz	\$375,000	October 1, 1996 - September 30, 1999	Highlighted
16	R826121	Tailored Solvents for Pollution Source Reduction in Pharmaceutical and Fine	11	T. Alan Hatton	Barbara Karn	\$180,000	November 1, 1997 - October 31,	Highlighted

2 of 4

		Chemical Processing					2000	
17	R826737	Alternative Wafer Cleaning Using HF-H2O Processing	Massachusetts Institute of Technology	Herbert H. Sawin	Barbara Karn	\$340,000	January 1, 1999 - December 31, 2001	Highlighted
18	none	Mathematical Models of the Transport and Fate of Airborne Organics	Department of Chemical Engineering, Massachusetts Institute of Technology	Gregory J. McRae	none	\$154,852.57	06/31/97 ending date	Highlighted
19	U915038	Physiological and Behavioral Effects of Nutrient Limitation on the Toxic Dinoflagellate Alexandrium Tamarense	Woods Hole Oceanographic Institution/MIT	Nicole Poulton	none	none	none	Highlighted
20	R825825	A Decision Analysis Framework for Groundwater Remediation	Massachusetts Institute of Technology	Charles F. Harvey, Charles M. Harvey	Deborah Hanlon	\$205,000	October 1, 1997 - September 30, 2000	Highlighted
21	none	Laboratory Studies of Intermediate Steps in the Atmospheric Oxidation of Organic Compounds	Massachusetts Institute of Technology	Mario J. Molina	none	\$67,000.00	06/30/99 ending date	Highlighted
22	R826738	In situ Diagnostic Techniques for Probing Solvation Effects in Supercritical Fluid Reaction Media for Synthetic Organic Chemistry	Massachusetts Institute of Technology	Jeffrey I. Steinfeld and Jefferson W. Tester	Barbara Karn	\$265,000	October 1, 1998 - September 30, 2001	Highlighted
23	R824794	Remote Sensing of NO and NO2 Emissions from Heavy-Duty Diesel Trucks Using Tunable Diode Lasers	Massachusetts Institute of Technology, Aerodyne Research, Inc.	Jose L. Jimenez, Gregory J. Mcrae, David D. Nelson, Mark S. Zahniser, & Charles E. Kolb	Deran Pashayan	none	October 1, 1995 - September 30, 1998	Highlighted
24	none	Modeling Gas-Phase Chemistry and Heterogeneous Reaction of Polycyclic Aromatic Compounds	Massachusetts Institute of Technology	J. B. Howard and C. J. Pope	none	\$171,960.00	06/30/98 ending date	Highlighted
25	none	Combustion Chamber Deposit Effects on Engine Hydrocarbon Emissions	Massachusetts Institute of Technology	J.B. Heywood and S. Hochgreb	none	\$496,011.66	06/30/97 ending date	Highlighted
26	none	Investigation of the Formation of Particulate Matter in Spark-Ignited Engines	Massachusetts Institute of Technology	Simone Hochgreb and Arthur Lafleur	none	\$75,000.00	06/30/99 ending date	Highlighted

Collections that were searched are: Research Center Research Projects Fellowship Research Projects Grants Research Projects

11/29/00 5:05 PM 3 of 4

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[refined with] massachusetts institute of technology <or> MIT

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4 of 4